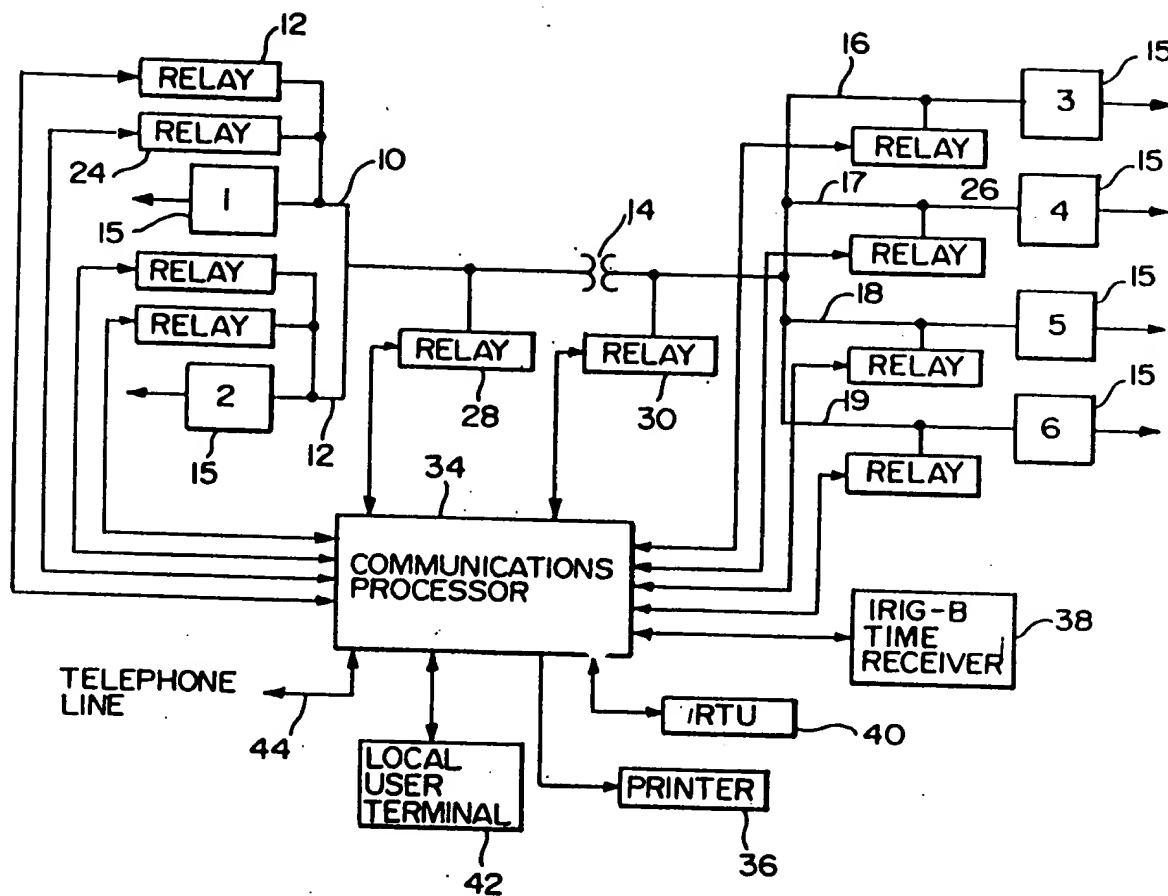


FIG. 1



LEVEL	ISR
7 (HIGHEST)	----- CLOCK HANDLING ISR (EVERY 1.0 Msec.)
6	----- FRONT PANEL SERIAL ISR
5	----- PORTS 13-16 ISRs
4	----- PORTS 9-12 ISRs
3	----- PORT 5-8 ISRs
2	----- PORT 1-4 ISRs
1 (LOWEST)	----- PERIODIC INTERRUPT TIMER ISR (EVERY 3.4 Msec.)

FIG. 4

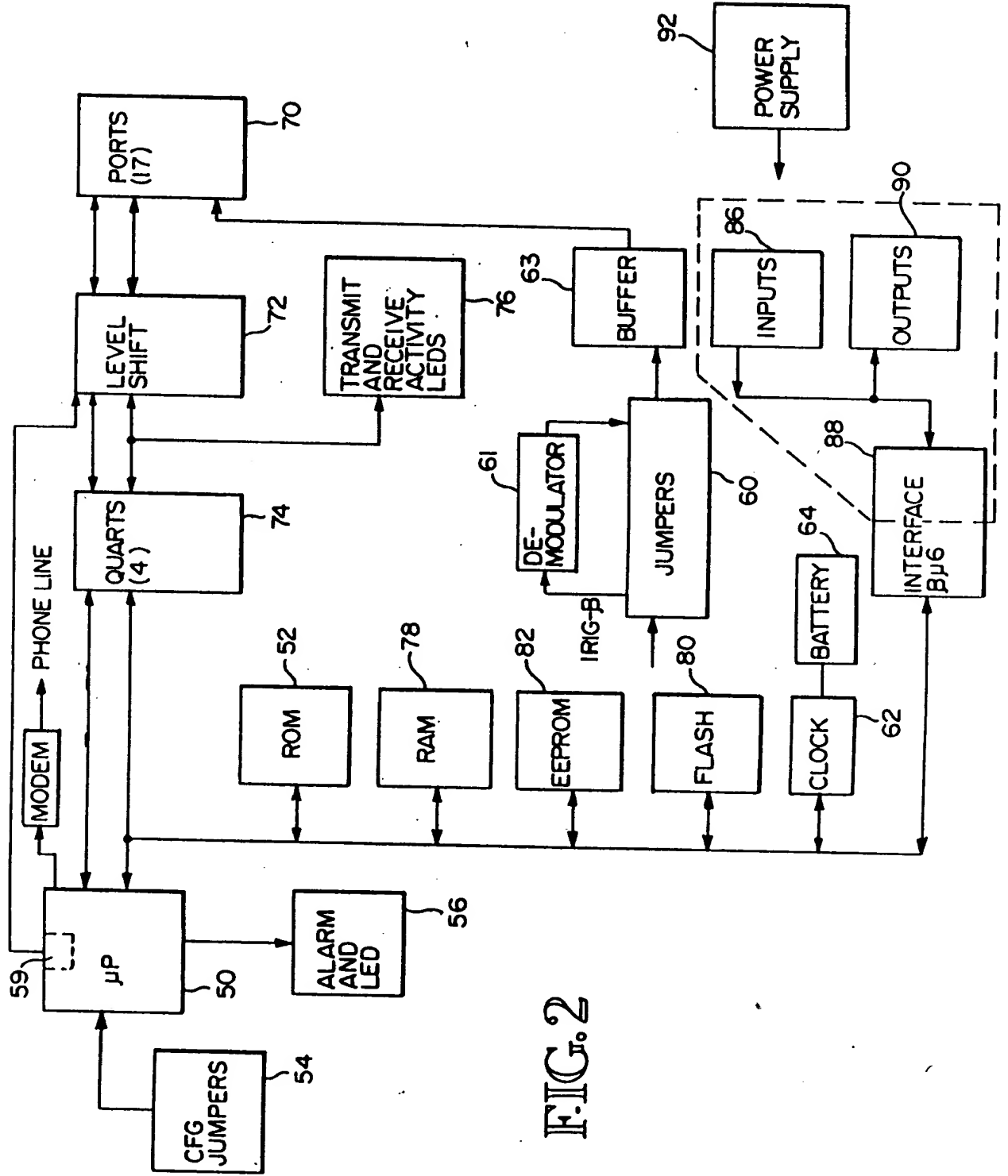
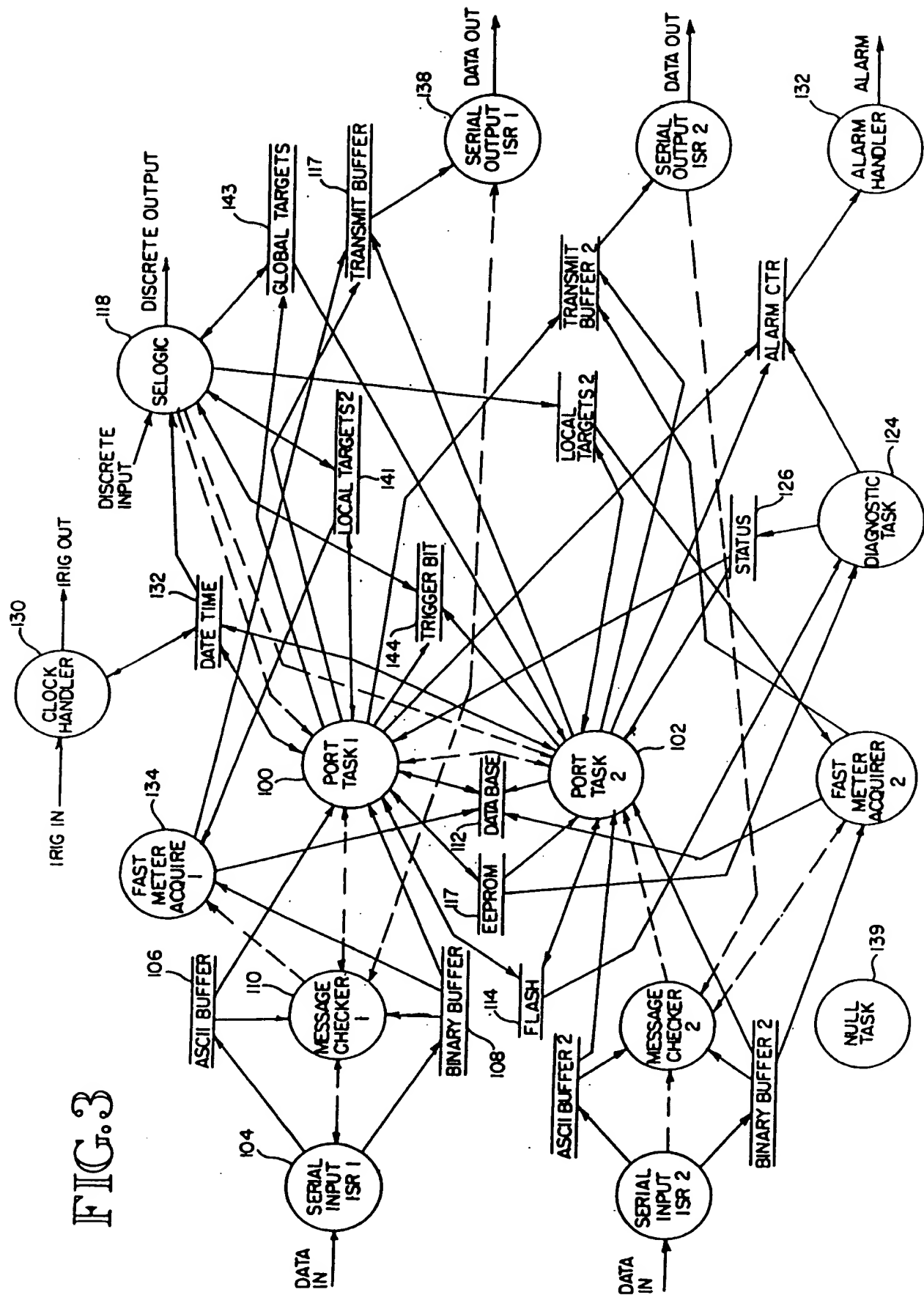


FIG. 2



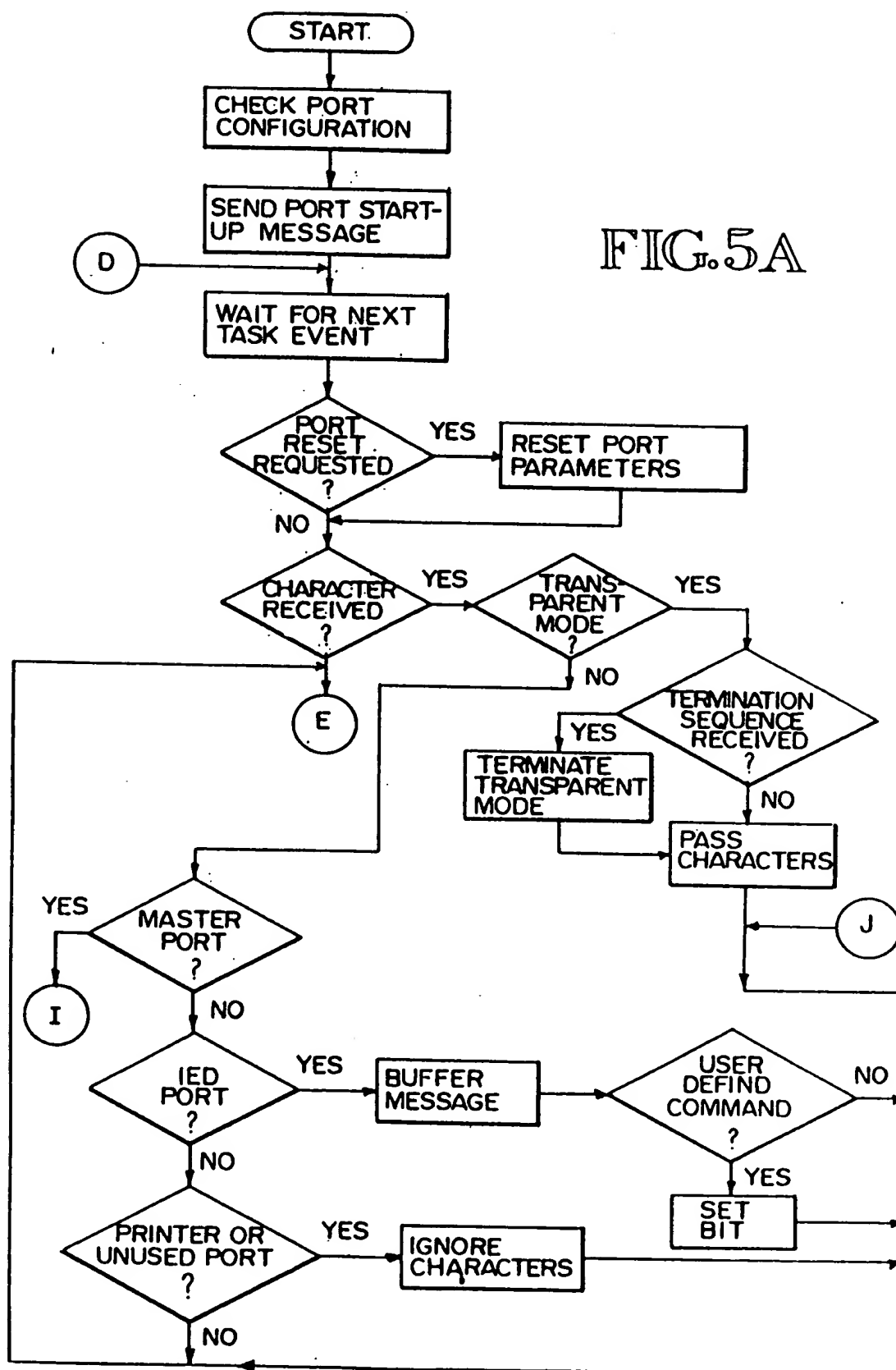
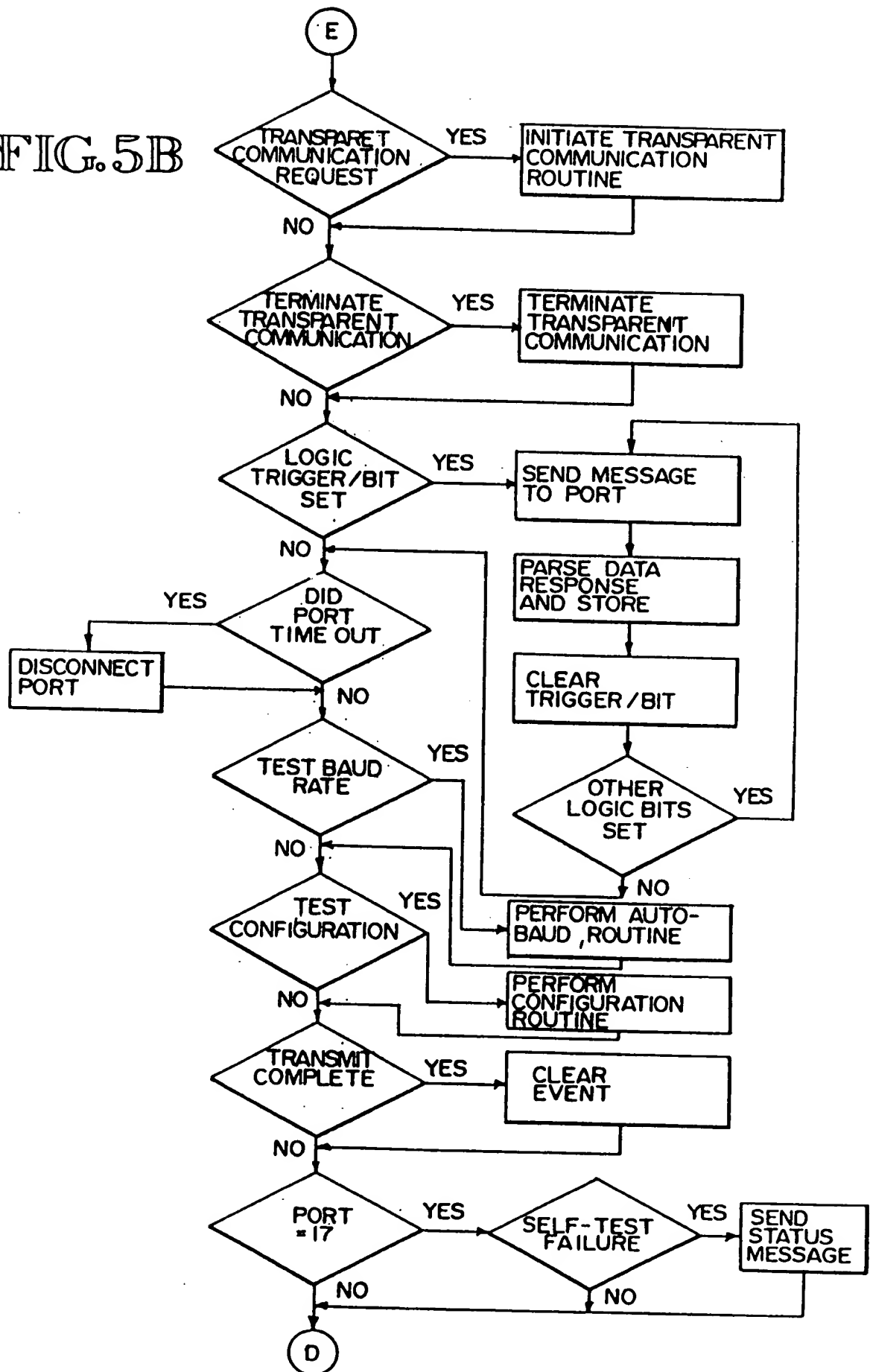


FIG. 5B



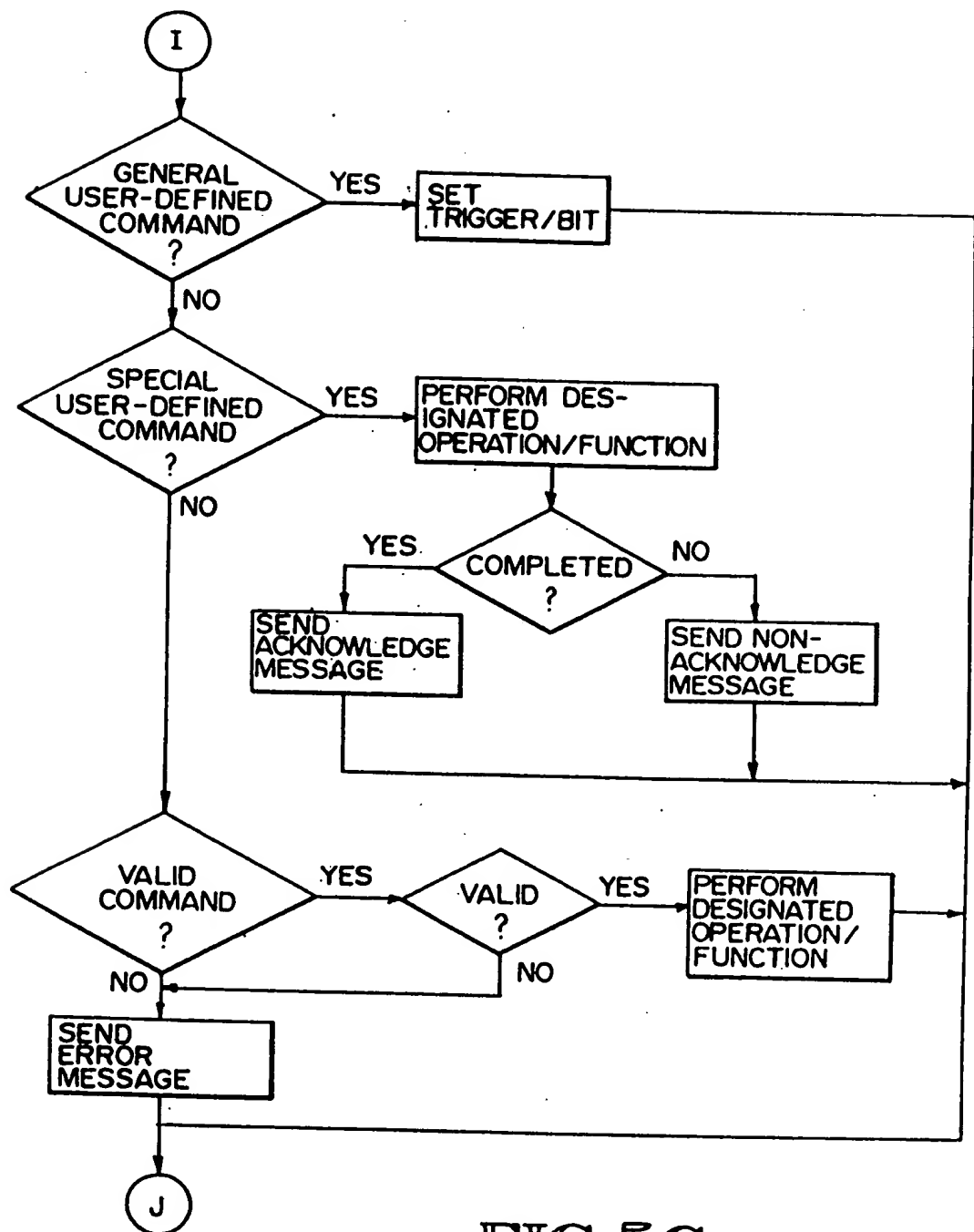


FIG.5C

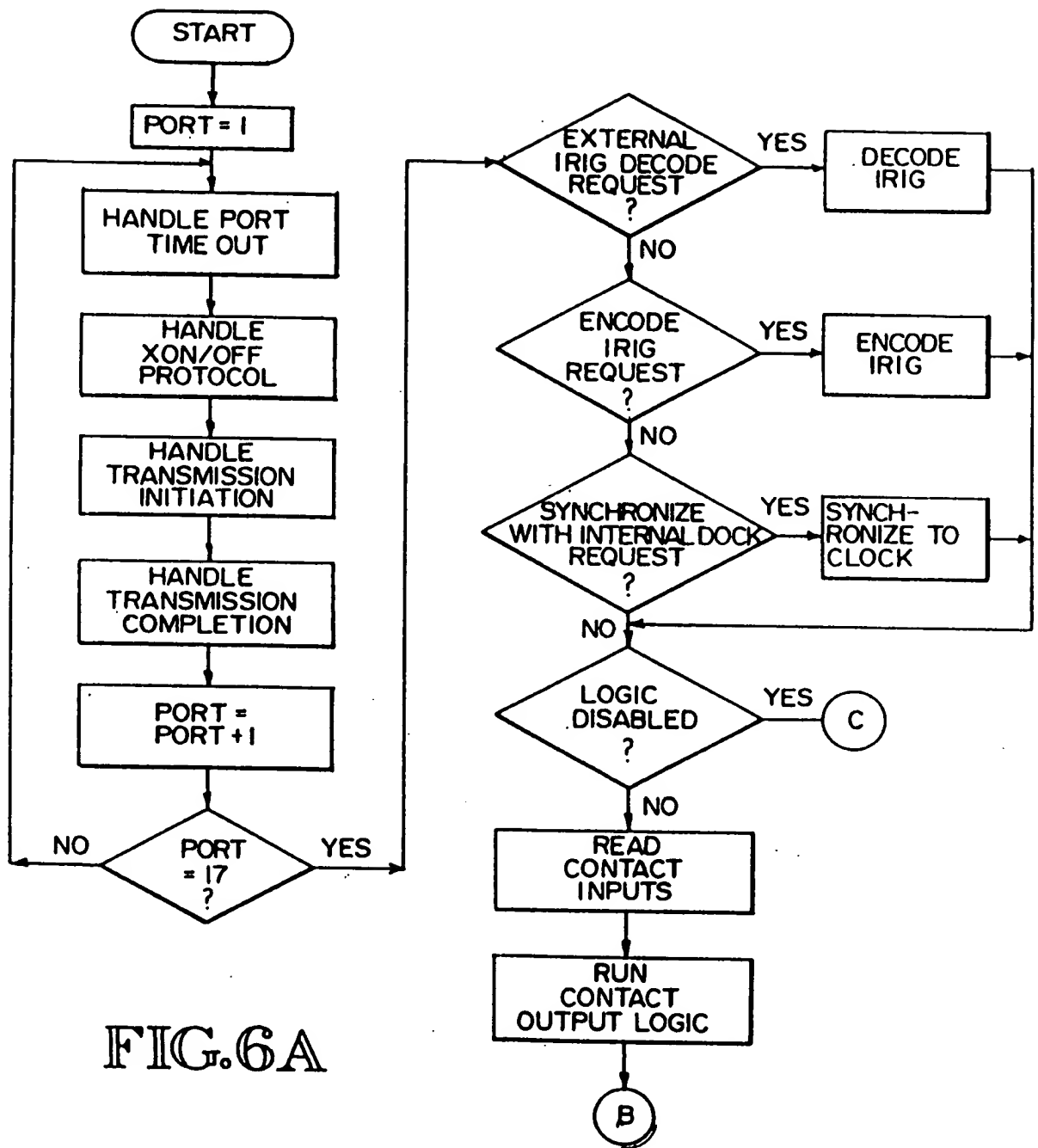


FIG. 6A

FIG. 6B

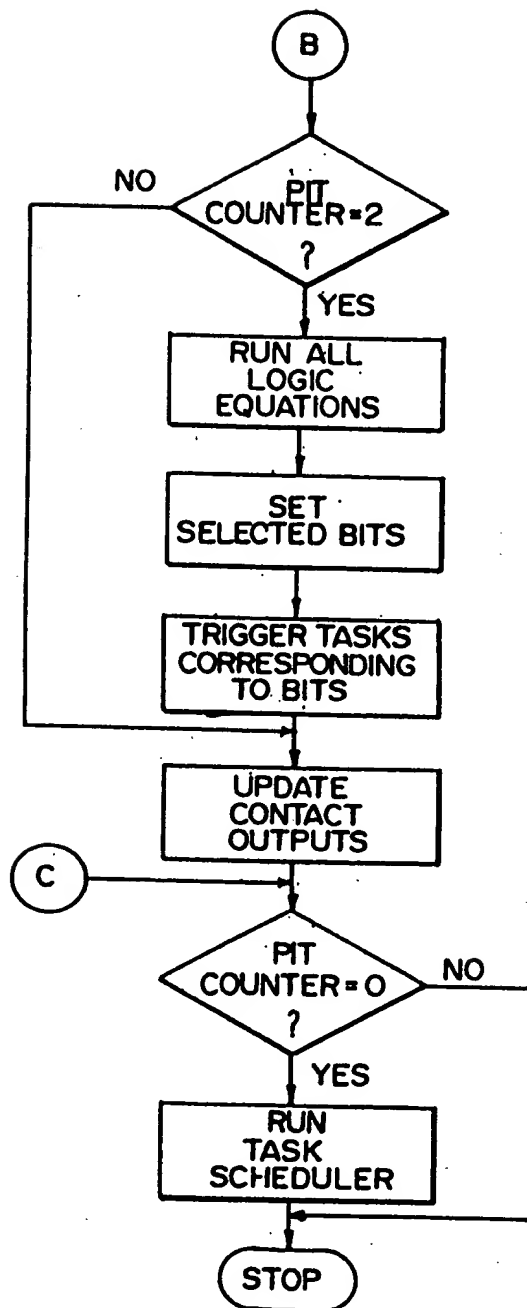


FIG. 6B